



1999 Toxics Release Inventory

HAWAII

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	399,140	2,125,213	2,524,353
Air Emissions	353,488	2,124,851	2,478,339
Surface Water Discharges	2,489	292	2,781
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	5,065	5	5,070
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	38,098	65	38,163
Off-site Releases (Transfers Off-site to Disposal)*	1,993	48,445	50,438
Total On- and Off-site Releases	401,133	2,173,658	2,574,791
Recycled On-site	0	0	0
Recycled Off-site	4,138	0	4,138
Energy Recovery On-site	0	0	0
Energy Recovery Off-site	1,134	5	1,139
Treated On-site	3,353,850	9,500	3,363,350
Treated Off-site**	3,223	94	3,317
Quantity Released On- and Off-site***	575,178	2,167,719	2,742,897
Total Production-related Waste Managed	3,937,523	2,177,318	6,114,841
Total Non-production-related Waste Managed	16	1,946	1,962

Transfers Off-site for Further Waste Management/Disposal

	Original Industries	New Industries	Total
Recycling	178,352	0	178,352
Energy Recovery	1,134	5	1,139
Treatment	3,218	766	3,984
Publicly Owned Treatment Works (POTWs)	0	0	0
Metals and Metal Compounds*	0	0	0
Non-metal TRI Chemicals**	0	0	0
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	1,993	48,445	50,438
Total Transfers Off-site for Further Waste Management/Disposal	184,697	49,216	233,913

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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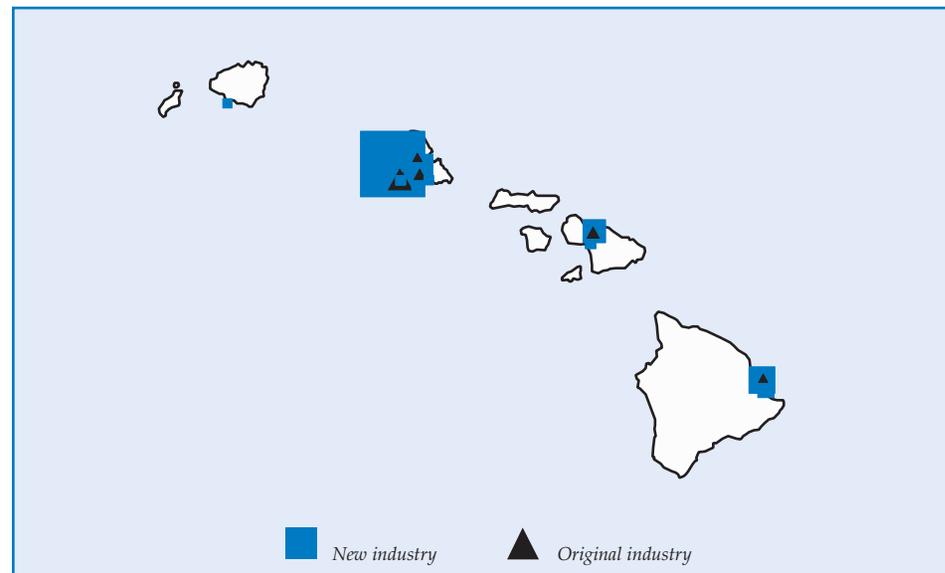
EPA Regional Contact:

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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
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The largest marker in the state map represents the largest facility for on-site releases in the state of Hawaii. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	1,185,497
Square Miles	6,423
Total Facilities	28
Total Forms	110
Form As	11

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	52	47	49
Pounds	401,133	2,173,658	2,574,791
National Rank for Total On-site Releases**			
Rank	52	47	49
Pounds	399,140	2,125,213	2,524,353
National Rank for Total Releases within State***			
Rank	52	47	49
Pounds	401,128	2,173,658	2,574,786
National Rank for Production-related Waste Managed			
Rank	50	48	51
Pounds	3,937,523	2,177,318	6,114,841

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
115-07-1	Propylene	58,419	0	0	0	0	58,419	0	0	0
71-36-3	n-Butyl alcohol	58,000	0	0	0	0	58,000	0	0	0
110-54-3	n-Hexane	56,691	30	0	0	380	57,101	0	380	0
7664-41-7	Ammonia	8,825	1,630	5,065	37,599	0	53,119	0	0	0
--	Glycol ethers	50,000	0	0	0	0	50,000	0	0	0
7664-93-9	Sulfuric acid	23,521	0	0	0	0	23,521	0	0	0
74-85-1	Ethylene	21,824	0	0	0	0	21,824	0	0	0
71-43-2	Benzene	15,279	30	0	0	51	15,360	0	51	0
1330-20-7	Xylene (mixed isomers)	14,918	0	0	0	240	15,158	0	240	0
108-88-3	Toluene	14,208	30	0	0	135	14,373	0	135	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-93-9	Sulfuric acid	1,656,625	0	0	0	0	1,656,625	0	0	0
7647-01-0	Hydrochloric acid	333,000	0	0	0	0	333,000	0	0	0
--	Nickel compounds	58,900	0	5	0	4,445	63,350	0	4,445	0
--	Zinc compounds	400	0	0	0	44,000	44,400	0	44,000	0
7664-41-7	Ammonia	19,055	0	0	0	0	19,055	0	0	0
110-54-3	n-Hexane	14,519	153	0	0	0	14,672	0	0	0
108-88-3	Toluene	13,392	25	0	16	0	13,433	0	0	0
71-43-2	Benzene	8,963	82	0	2	0	9,047	0	0	0
95-63-6	1,2,4-Trimethylbenzene	8,625	2	0	17	0	8,644	0	0	0
1330-20-7	Xylene (mixed isomers)	6,005	30	0	26	0	6,061	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Chevron Prods. Co. - Hawaii Refy., Kapolei, Honolulu	158,745	1,990	0	0	0	0	160,735	1,690	5
Ball Metal Beverage Container Corp., Kapolei, Honolulu	93,053	0	0	0	0	0	93,053	0	0
Tesoro Hawaii Refy., Kapolei, Honolulu	74,080	0	0	5,065	0	0	79,145	298	0
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	0	0	37,599	37,599	0	0
Pearl Harbor Naval Complex, Pearl Harbor, Honolulu	27,590	0	0	0	0	0	27,590	0	0
U.S. Army Schofield Barracks U.S. DOD, Wahiawa, Honolulu	15	499	0	0	0	499	1,013	0	0
BEI - Brewer Environmental Ind. Inc.- Hilo, Hilo, Hawaii	5	0	0	0	0	0	5	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kahe Generating Station, Waianae, Honolulu	852,000	0	0	0	0	0	852,000	250	0
Waiiau Generating Station, Pearl City, Honolulu	337,000	0	0	0	0	0	337,000	0	0
Hawaii Electric Light Co.Inc.Hill Generating Station, Hilo, Hawaii	280,000	0	0	0	0	0	280,000	0	0
Kahului Generating Station, Kahului, Maui	230,000	0	0	0	0	0	230,000	0	0
Hawaii Electric Light Co.Inc. Puna Generating Station, Keaau, Hawaii	136,000	0	0	0	0	0	136,000	0	0
Hawaii Electric Light Co.Inc. Shipman Generating Station, Hilo, Hawaii	67,000	0	0	0	0	0	67,000	0	0
Maalaea Generating Station, Wailuku, Maui	51,000	0	0	0	0	0	51,000	0	0
AES Hawaii Generation Plant, Kapolei, Honolulu	38,284	0	0	0	0	0	38,284	44,000	0
Tosco Distribution West Honolulu Terminal, Honolulu, Honolulu	36,847	0	0	0	0	0	36,847	0	0
Kauai Electric, Eleele, Kauai	30,425	0	0	0	0	0	30,425	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
U.S. Army Schofield Barracks U.S. DOD, Wahiawa, Honolulu	0	4,138	0	0	0	0	175,227	179,365	0
Chevron Prods. Co. - Hawaii Refy., Kapolei, Honolulu	0	0	0	0	223,888	3,165	162,847	389,900	16
Ball Metal Beverage Container Corp., Kapolei, Honolulu	0	0	0	0	57,000	0	93,053	150,053	0
Tesoro Hawaii Refy., Kapolei, Honolulu	0	0	0	864	3,072,962	58	79,442	3,153,326	0
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	0	0	0	37,599	37,599	0
Pearl Harbor Naval Complex, Pearl Harbor, Honolulu	0	0	0	270	0	0	27,000	27,270	0
BEI - Brewer Environmental Ind. Inc.- Hilo, Hilo, Hawaii	0	0	0	0	0	0	10	10	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Kahe Generating Station, Waianae, Honolulu	0	0	0	0	0	0	851,000	851,000	0
Waiau Generating Station, Pearl City, Honolulu	0	0	0	0	0	0	337,000	337,000	0
Hawaii Electric Light Co.Inc.Hill Generating Station, Hilo, Hawaii	0	0	0	0	0	0	280,000	280,000	0
Kahului Generating Station, Kahului, Maui	0	0	0	0	0	0	230,000	230,000	0
Hawaii Electric Light Co.Inc. Puna Generating Station, Keaau, Hawaii	0	0	0	0	0	0	136,000	136,000	0
AES Hawaii Generation Plant, Kapolei, Honolulu	0	0	0	0	0	0	82,300	82,300	0
Hawaii Electric Light Co.Inc. Shipman Generating Station, Hilo, Hawaii	0	0	0	0	0	0	67,000	67,000	0
Maalaea Generating Station, Wailuku, Maui	0	0	0	0	0	0	51,000	51,000	0
Tosco Distribution West Honolulu Terminal, Honolulu, Honolulu	0	0	0	0	0	0	36,843	36,843	1
Kauai Electric, Elelee, Kauai	0	0	0	0	0	0	30,425	30,425	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.